d) $Y = (\bar{A} \cap B) \cup (A \cap \bar{B})$

$p(Y) = p((\bar{A} \cap B) \cup (A \cap \bar{B}))$

$= p(\bar{A} \cap B) + p(A \cap \bar{B}) - p((\bar{A} \cap B) \cap (A \cap \bar{B}))$

$= p(B) - p(B \cap A) + p(A) - p(A \cap B)$

$= 2(p(A) - p(A \cap B))$

$= 2(0,7 - 0,5) = \boxed{0,4}$

e) $Z = \bar{B}/A$

$p(Z) = p(\bar{B}/A)$

$= \dfrac{p(\bar{B} \cap A)}{p(A)}$

$= \dfrac{p(A) - p(A \cap B)}{p(A)} = \dfrac{0,7 - 0,5}{0,7} = \boxed{\dfrac{2}{7}}$

Qarray.tn -Agra Blech- Qarray.tn